MONTHLY BULLETIN

OF

THE OBSERVATORY

AMERICAN UNIVERSITY OF BEIRUT

BEIRUT, SYRIA

LAT. 33° 54' 22" N.

LONG. E. FROM GREENWICH 35° 28' 10"

APRIL, 1939

J. A. BROWN, DIRECTOR

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APRIL 1939

METEOROLOGICAL REGISTER

Date	Barometer reduced to oC Sea level and 45 Latitude 700 mm. + ...				Thermometer Cent.					
	8:30	14:30	20:30	Mean	Max.	Min.	8:30	14:30	20:30	Mean
1	58.7	57.9	58.3	58.3	19.4	12.1	16.9	18.7	15.5	17.0
2	9.1	8.8	9.4	9.1	20.0	12.2	17.3	19.4	14.9	17.2
3	9.8	8.5	7.6	8.6	21.6	15.0	17.7	20.1	17.4	18.4
4	5.1	4.5	4.9	4.8	24.6	17.2	20.9	22.4	20.5	21.3
5	4.9	4.2	3.9	4.3	25.0	15.8	20.5	24.4	18.4	21.1
6	55.5	54.8	55.6	55.3	18.8	13.2	17.7	15.5	14.9	16.0
7	5.2	5.8	6.3	5.8	17.8	12.8	16.1	13.6	14.4	14.7
8	7.9	8.1	8.7	8.2	21.1	13 3	17.9	20.4	19.9	19.4
9	9.0	8.8	9.2	9.0	21.4	12.8	18.3	20.9	16.6	18.6
10	8.9	6.6	5.7	7.1	20.6	16.1	15.6	19.9	17.7	17.7
11	57.5	57.0	57.6	57.4	21.1	15.0	19.4	20.8	18.3	19.5
12	7.7	60.1	61.7	9.8	20.6	12.2	17.7	16.1	14.4	16.1
13	63.9	3.8	4.1	63.9	19.4	11.7	17.4	18.3	13.3	16.3
14	5.1	4.5	2.7	4.1	20.3	12.8	18.3	19.9	14.9	17.7
15	3.9	3.6	3.9	3.8	22.5	13.9	18.3	21.9	16.1	18.8
16	63.8	63.3	63.6	63.6	23.9	16.3	19.4	22.2	16.9	19.5
17	2.5	1.9	2.2	2.2	24.4	16.7	20.6	22.7	17.8	20.4
18	59.5	58.1	55.9	57.8	28.3	21.1	25.5	27.3	22.2	25.0
19	2.9	6.1	6.2	5.1	31.7	17.8	28.8	22.6	19.9	23.8
20	9.2	60.1	61.3	60.2	23.3	15.2	20.7	23.3	17.7	20.6
21	61.9	62.5	63.1	62.5	23.3	15.6	20.5	21.6	17.7	19.6
22	3.6	3.2	3.1	3.3	25.0	15.8	19.7	24.1	17.7	20.5
23	1.1	59.7	59.1	0.0	26.0	15.8	22.4	22.7	21.1	22.1
24	56.3	6.0	8.4	56.9	37.8	20.9	31.5	32.1	23.4	29.0
25	8.1	7.7	8.5	8.1	25.6	18.9	22.2	25.5	20.5	22.7
26	61.7	57.9	59.4	59.7	23.6	17.4	19.7	22.4	18.7	20.3
27	0.6	60.1	60.7	60.5	23.5	19.1	20.5	23.3	18.9	20.9
28	1.4	0.2	0.4	0.7	24.7	18.3	20.8	23.3	19.4	21.2
29	59.8	58.6	58.5	59.0	24.4	17.2	20.5	23.7	19.0	21.1
30	6.7	4.7	4.7	5.4	26.1	16.7	21.6	23.0	19.9	21.5
	759.38	758.90	759.16	759.15	23.53	15.63	20.15	21.74	17.93	19.93

Barometer, range for month 752.9 mm.–765.1 mm.
,, 62-yr. average for month 760.04 mm.
Thermometer, range for month 11.7 C.–37.8° C.
,, 62-yr. average for month 18.96° C.
Rain, total for month 57.9 mm.
,, , 62-yr. average for month 52.1 mm.
,, , total, from Sept. 1st 1023.4 mm.
55-yr. average, Sept. 1st 882.5 mm.

APRIL 1939

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Date	Elasticity of Vapor mm.				Relative Moisture per cent.				Sun. hrs.	Wind per day	Rain mm.
	8:30	14:30	20:30	Mean	8:30	14:30	20:30	Mean		Kms.	
1	9.3	10.1	9.0	9.5	65	68	68	67	7.1	162.0	
2	8.5	10.1	9.6	9.4	59	66	76	65	10.2	118.0	
3	8.8	11.8	10.7	10.4	58	68	72	66	10.2	92.0	
4	10.2	14.5	9.2	11.3	55	73	52	60	4.7	75.0	
5	14.0	12.6	13.7	13.4	78	55	87	73	9.1	214.0	
6	13.3	12.3	11.8	12.5	88	84	94	92	0.0	274.5	8.6
7	12.7	11.2	11.4	11.8	94	97	94	95	1.4	228.0	43.7
8	11.8	14.1	13.5	13.1	77	79	78	78	5.5	271.0	
9	12.8	13.6	12.8	13.1	83	74	91	83	10.1	200.0	
10	12.3	13.1	13.3	12.9	94	75	88	86	9.7	220.0	
11	12.1	14.0	13.8	13.3	73	77	88	78	7.3	216.0	
12	14.2	7.9	7.0	9.7	94	58	57	70	3.6	408.0	2.8
13	7.9	8.1	6.9	7.6	57	52	61	57	11.4	141.0	
14	9.9	9.8	9.6	9.8	63	56	76	65	11.9	149.0	
15	10.2	15.8	10.4	12.1	65	81	77	75	12.2	146.0	
16	10.7	13.9	13.0	12.5	64	69	91	75	12.9	140.0	
17	11.7	14.8	14.4	13.6	65	72	94	77	11.2	62.0	
18	10.7	10.2	9.7	10.2	44	38	49	44	10.1	253.5	
19	9.4	11.3	10.7	10.5	32	55	61	49	3.2	450.0	
20	14.1	15.6	13.3	13.7	78	64	88	77	10.1	200.0	
21	12.3	14.2	12.3	13.3	69	74	88	77	11.0	250.0	
22	13.7	13.2	14.2	13.7	81	59	88	76	11.4	130.8	
23	12.1	14.2	13.3	13.2	60	70	71	67	7.1	280.0	
24	9.4	9.4	12.3	10.4	31	32	57	40	4.7	450.0	
25	14.7	18.3	14.9	16.0	74	75	83	77	2.7	200.0	
26	16.5	15.0	15.3	15.6	97	74	96	89	0.0	250.0	2.6
27	15.8	15.8	14.2	15.3	88	75	87	83	6.7	143.5	0.8
28	16.1	15.4	14.8	15.4	88	72	88	83	6.9	224.0	
29	14.9	15.4	15.1	15.1	83	70	92	82	5.2	140.0	
30	15.1	14.6	12.7	14.1	78	70	73	74	9.0	350.0	
	18.84	12.94	12.13	12.42	71.2	67.9	78.8	72.7	7.55	214.61	1.93

Height of Barometer above sea level: 33.7 meters.

„ „ Thermometers above ground:

Dry and wet 1.55 m.; Max. 1.75 m.: Min. 1.70 m.

Rim of Rain Gauge: above ground 0.56 m.; above sea level 30.31 m.

Time of readings minus 2 hours equals G. C. T.

62-year averages are for period, 1875-1936

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	Clouds Clear—0 Overcast—10				Direction and force of wind Beaufort scale			Sea	Notes
	8:30	14:30	20:30	Mean	8:30	14:30	20:30		
1	6cu	5cu	4cu	5.0	2sw	2n	2n	slight	
2	0	0	0	0.0	2ne	1n	1n	„	
3	0	0	0	0.0	1ne	1n	0	mod.	
4	3ci	10cu	10ni	7.7	1s	1w	2w	slight	
5	2ci	0	7ci	3.0	1w	1ne	1n	„	
6	10ni	10ni	10ni	10.0	2s	3nw	4w	mod.	
7	10ni	10ni	0	6.7	2s	3s	1s	slight	
8	9cu	4ci	5ci	6.0	2w	2s	3s	„	
9	0	0	0	0.0	2s	1s	2s	„	
10	0	3ci	0	1.0	2s	1s	2s	calm	
11	2cu	9cu	2cu	4.3	1s	2s	0	slight	
12	9cu	10cu	0	6.3	2sw	5n	4n	mod.	
13	0	0	0	0.0	2nw	2s	2s	slight	
14	0	0	0	0.0	2nw	2nw	2nw	„	
15	0	0	0	0.0	2nw	2nw	1nw	„	
16	0	0	0	0.0	0	3n	1n	slight	
17	0	0	0	0.0	2ne	2n	0	„	
18	0	8cuci	0	2.7	0	1se	2e	calm	
19	10cu	8cuci	0	6.0	2e	3s	4s	„	
20	3ci	2ci	0	1.7	4s	2nw	2n	slight	
21	2ci	7cu	0	3.0	3sw	3s	2s	slight	
22	5ci	2ci	0	2.3	2w	2sw	1s	calm	
23	10cu	9ci	0	6.3	1e	2e	2e	sligh t	
24	10ci	10ci	10ci	10.0	4e	4w	3w	„	
25	10ci	10ci	10ci	10.0	3sw	1e	1w	„	
26	10ni	10ni	10ni	10.0	3w	2s	2s	mod.	
27	7cu	8cuci	4ci	6.3	2w	2w	2w	slight	
28	9cu	1ci	0	3.3	1n	3n	2n	„	
29	10cu	4ci	0	4.7	2n	2n	2n	calm	
30	10ci	10ci	0	6.7	1nw	2n	2n	slight	
					56	63	55		
				4.10	1.9	2.1	1.8		

5 6 5

Number of Daily Wind Observations

Time	N	NE	E	SE	S	SW	W	NW	Calm	Total
8:30	2	3	3	0	7	4	5	4	2	30
14:30	9	1	2	1	9	1	3	4	0	30
20:30	9	0	2	0	9	0	5	2	3	30
Totals	20	4	7	1	25	5	13	10	5	90

Number of days with rain 5, fog 0, thunderstorms, 0 gale 0.

62-yr. average number of days with rain during month 6.3